

Notice of Allowability

Application No.

10/706,039

Examiner

David S. Baker

Applicant(s)

IMAI, SHINJI

Art Unit

2884

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 19 October 2006.
2. ☒ The allowed claim(s) is/are 13-17.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Election/Restrictions

1. This application is in condition for allowance except for the presence of claims 1-12 that are directed to an invention that is non-elected without traverse. Accordingly, claims 1-12 have been cancelled.

Response to Amendment

2. The amendment filed 19 October 2006 has been accepted and entered.

Allowable Subject Matter

3. Claims 13-17 are allowed.
4. The following is an examiner's statement of reasons for allowance:

Regarding claims 13-15, the prior art of record does not disclose or reasonably suggest, along with the other claimed limitations, a radiographic image recording medium comprising: namely, the specific layering in the following order of a shock resistant member layer; a wavelength conversion layer; a photoelectric element layer; a glass plate substrate layer; and an additional shock resistant member layer. Prior art such as Okada teaches the layer of instant application but fails to disclose or reasonably suggest the use of shock resistant member layers above and below the recording medium. Prior art such as Izumi, while teaching the use of shock resistant member layer in recording media, teaches away from the use of a glass substrate in combination with a shock resistant medium to decrease weight and improve flexibility. Prior art such as Okada teaches the use of protective layer above and below recording media, but primarily

for the purposes of scratch resistance and as a moisture barrier while providing no motivation for making the protective layers shock resistant.

Regarding claims 16-17, the prior art of record does not disclose or reasonably suggest, along with the other claimed limitations, a radiographic image recording medium comprising: namely, the specific layering in the following order of a shock resistant member; a wavelength conversion layer; a photoelectric element; and a glass plate substrate. Prior art such as Okada teaches the layer of instant application but fails to disclose or reasonably suggest the use of shock resistant member layers above the recording medium. Prior art such as Izumi, while teaching the use of shock resistant member layer in recording media, teaches away from the use of a glass substrate in combination with a shock resistant medium to decrease weight and improve flexibility. Prior art such as Okada teaches the use of protective layer above and below recording media, but primarily for the purposes of scratch resistance and as a moisture barrier while providing no motivation for making the protective layers shock resistant.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Response to Arguments

5. Applicant's arguments, see Applicant Arguments pages 9-15, filed 19 October 2006, with respect to claims 13-17 have been fully considered and are persuasive. The rejection of claims 13-17 has been withdrawn.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 5,198,685 A – Kitani discloses radiographic recording medium using a shock resistant layer edging between a protective glass substrate another substrate to insulate a photoelectric conversion layer inside the edging and between the substrate. Kitani does not disclose or reasonably suggest a wavelength conversion layer.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David S. Baker whose telephone number is (571) 272-6003. The examiner can normally be reached on MTWRF 9:30am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David P. Porta can be reached on (571) 272-2444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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DSB



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